Murphy, Joseph

From: Michael J. Belliveau [mbelliveau@clarkelbing.com]
Sent: Thursday, June 02, 2005 4:19 PM
To: Murphy, Joseph
Subject: USSN 08/920,272

08338.02700
oposed claims

Examiner Murphy:

In connection with the above-referenced case, you and I reached an agreement on the allowability of the attached claims. I have now received confirmation that these claims are acceptable to the client as well. Kindly make these amendments by way of an Examiner's amendment. We filed last week a petition for extension of time, so the case should be pending until the final deadline of June 14th.

Regards,

Michael J. Belliveau, Ph.D.
Reg. No. 52,608
<<08338.027003 proposed claims3.doc>>

REQUESTED BY EXAMINER

Applicant:	Freda Miller et al.	Art Unit:	1646
Serial No.:	08/920,272	Examiner:	Murphy, Joseph
Filed:	August 22, 1997	Customer No.:	21559
Title:	PHARMACEUTICALS CONTAINING MULTIPOTENTIAL PRECURSOR CELLS FROM TISSUES CONTAINING SENSORY RECEPTORS		

AGREED AMENDMENTS TO THE CLAIMS

1-31. (Cancelled)

32. (Currently amended) The composition ~~isolated population of stem cells~~ of claim 49, wherein said peripheral tissue comprises olfactory epithelium.

33. (Currently amended) The composition ~~isolated population of stem cells~~ of claim 49, wherein said peripheral tissue comprises tongue.

34-40. (Cancelled)

41. (Currently amended) The composition of claim 49 ~~isolated population of stem cells of any of the claims 49-52~~, wherein said neural stem cells are transfected with a heterologous gene.

42. (Currently amended) The composition ~~isolated population of stem cells~~ of claim 41, wherein said gene encodes a trophic factor.

43-48. (Cancelled)

49. (Currently amended) A composition consisting of an isolated population of neural stem cells of a mammal and a carrier, wherein said neural stem cells form non-

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adherent clusters in culture, are self renewing, proliferate in an EGF-independent manner, express nestin, and differentiate, in the presence of serum, into neurons expressing tyrosine hydroxylase, said stem cells produced by a method comprising the steps of:

(a) providing a culture of peripheral tissue containing sensory receptors from said mammal;

(b) isolating neural stem cells from said peripheral tissue, based on the tendency of said neural stem cells to aggregate and form non-adherent clusters in culture, wherein said neural stem cells form non-adherent clusters in culture, are self renewing, proliferate in an EGF-independent manner, express nestin, and differentiate, in the presence of serum, into neurons expressing tyrosine hydroxylase ~~express nestin, are self renewing, are capable of producing neurons and glia, and can differentiate into dopaminergic neurons~~.

50-51. (Cancelled)

52. (Currently amended) A composition consisting of an isolated population of neural stem cells of a mammal and a carrier, wherein said neural stem cells form non-adherent clusters in culture, are self renewing, proliferate in an EGF-independent manner, express nestin, and differentiate, in the presence of serum, into neurons expressing tyrosine hydroxylase ~~and can differentiate into cell types of the central nervous system~~.

53-57. (Cancelled)

58. (Currently amended) The composition of claim 49 ~~isolated population of stem cells of any of the claims 49-52~~, wherein said neural stem cells are human stem cells.

59. (Cancelled)

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60. (Currently amended) The composition of claim 49 ~~isolated population of stem cells of any of claims 49-52~~, formulated in a pharmaceutically acceptable carrier, auxiliary or excipient.

61-63. (Cancelled)

64. (New) The composition of claim 52, formulated in a pharmaceutically acceptable carrier, auxiliary or excipient.

65. (New) The composition of claim 52, wherein said neural stem cells are human stem cells.

66. (New) The composition of claim 52, formulated in a pharmaceutically acceptable carrier, auxiliary or excipient.

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